FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: February 11, 1994 Date Received: February 9, 1994

Project: 7238, Metro Self-Monitor, PO #M33046 Date Samples Extracted: February 9, 1994 Date Extracts Analyzed: February 9, 1994

RESULTS FROM THE ANALYSIS OF THE WATER SAMPLE FOR CHROMIUM, COPPER, NICKEL AND ZINC

Samples Processed Using Method 3005 Results Reported as mg/L (ppm)

Sample ID	<u>Chromium</u>	<u>Copper</u>	<u>Nickel</u>	<u>Zinc</u>
M33046	0.95	2.1	1.6	0.3
Quality Assurance				
Blank	<0.05	<0.05	<0.05	<0.05
M33046 (Duplicate)	1.0	2.1	1.7	0.31
M33046 (Matrix Spike) % Recovery	80%	60% ^{vo}	81%	80%
M33046 (Matrix Spike Duplicate) % Recovery	88%	80%	87%	87%
Spike Blank % Recovery	98%	99%	96%	95%
Spike Level	5	5	10	5

vo Value reported fell outside the control limits established for this analyte.

FRIEDMAN & BRUYA, INC. 3008-B 16:n Avenue West Seattle, WA 98119

SAMPLE CHAIN OF CUSTODY

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Company ALAS	KAY COPPER	WORKS	Contact_	GERALD	Thompson		
Address Y.O. BOX City, State, Zip <u>SEOTTL</u> Phone # (196) 623-E	E. WA. 9812	4	Dute	2-9-94			
SITE NO.	PROJECT NAME			PURCH	IASE ORDER #		
7238	METRO SELF	TRO SELF, MONITOR			m 33046		
SAMPLERS (signature)	,				CT LOCATION		
REMARKS		>			E DISPOSAL INFORM.	TH	
				ØO	Dispose after 30 days Return Samples Call for Instructions		
SAMPLE #	Date/Time Sampled	Type of Sample	# of Jars	Lub Sample #	Analyses Requested		
m 33046	07:30 am	WATER	1	47537	CB, Cu, Ni,	ZN	
					.'		
						**** ********************************	

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CIONATURA							
SIGNATURE Recquished by	GERALD TA		COMPA		Date 3/2/	B:25 _{Am}	
Redirectly of .	CP H	tobo	Fy	R TNC	2.9.94	8:25 AM	
Relinquished by:				<u> </u>		0 = 0 7/3	
Received by:				Y .			

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Andrew John Friedman James E. Bruya, Ph.D. (206) 285-8282

DUPLICATE COPY

3008-B 16th Avenue West Seattle, WA 98119 FAX: (206) 283-5044

February 11, 1994

INVOICE # 94ACU0211-1

Alaskan Copper Works 628 South Hanford Seattle, WA 98134

RE: Project 7238, Metro Self-Monitor, PO #M33046: Results of testing requested by Gerald Thompson, Project Leader for material submitted on February 9, 1994.

1 water sample analyzed for Chromium, Copper	
Nickel, Zinc @ \$65 per sample	\$ 65.00
Amount Due	\$ 65.00

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Andrew John Friedman James E. Bruya, Ph.D. (206) 285-8282 3008-B 16th Avenue West Seattle, WA 98119 FAX: (206) 283-5044

February 11, 1994

Gerald Thompson, Project Leader Alaskan Copper Works 628 South Hanford Seattle, WA 98134

Dear Mr. Thompson:

Enclosed are the results from the testing of material submitted on February 9, 1994 from Project 7238, Metro Self-Monitor, PO #M33046.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

Bradley T. Benson

Chemist

BTB/dp

Enclosures